

## REMARKS

Claims 1-42 are pending in the application. The Examiner allows claims 1-17. The Examiner rejects claims 18-42 under 35 U.S.C. 102(b) as being anticipated by Cappels (U.S. Patent No. 5,731,843).

The Applicant amends claims 18, 23, 25, 28 (for typographical errors), 31, and 40-41 (for typographical errors). Claims 1-42 remain in the case.

The Applicant adds no new matter and requests reconsideration.

## Claims Allowed

The Applicant thanks Examiner Tran for allowing claims 1-17.

## Claim Rejections Under § 102 and § 103

The Examiner rejects claims 18-21, 25-26, 28-32, 34-38 and 40-42 under 35 U.S.C. 102(b) as being anticipated by Cappels. The Applicant traverses the claim rejections.

With respect to claim 18, the Examiner alleges that the recited edge detector “is anticipated by the differentiator 42, the threshold detector 44, and the comparator 46 of Cappels” (Office Action, page 2). Neither the differentiator 52 nor the threshold detector 44 operates responsive to a pixel clock.

Claim 18 further recites *a phase adjust circuit to generate the pixel clock by selecting one of a plurality of phases of a phase locked loop clock....* Cappels does not select one of a plurality of phases of a phase locked loop clock. Rather, Cappels appears to check the data edges against a single phase of the clock at a time.

Claim 31 recites *determining which of the plurality of clock phases corresponds to the transition by substantially simultaneously comparing the transition to the plurality of clock phases.* Unlike the invention recited in claim 31, Cappels appears to check the data edges against one phase of the clock at a time. This leads to improved operating speeds. Because all the phases are checked simultaneously, the recited invention operates on moving images (Cappels operates on still images).

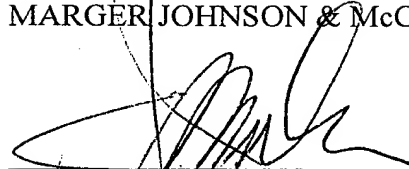
## Conclusion

The Applicant requests reconsideration and allowance of claims as amended. The Applicant encourages the Examiner to call the undersigned at (503) 222-3613 if it appears that an interview would be helpful in advancing the case.

Customer No. 20575

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

A handwritten signature in black ink, appearing to read 'Graciela G. Cowger', is written over a horizontal line.

Graciela G. Cowger  
Reg. No. 42,444

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
(503) 222-3613